

#5
PATENT

jc841 U.S. PTO
09/771371



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Andrew V. Kadatch

Art Unit:

Application No.

Filed:

For: QUANTIZATION LOOP WITH HEURISTIC
APPROACH

Examiner:

Date: January 26, 2001

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)

BOX PATENT APPLICATION
COMMISSIONER FOR PATENTS
Washington, DC 20231


Sir:

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

Respectfully submitted,

KLARQUIST SPARKMAN CAMPBELL
LEIGH & WHINSTON, LLP


By


Kyle B. Rinehart
Registration No. 47,027

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446
cc: Client (148491.1)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Docket: 3382-55827		App:	
				Applicant: Kadatch			
				Filed:		Art Unit:	
U.S. PATENT DOCUMENTS							
Init.*		Number	Date	Name	Class	Sub	Filed
		6,029,126	2/22/2000	Malvar			
		5,742,735	4/21/1998	Eberlein et al.			
		5,579,430	11/26/1996	Grill et al.			
		5,819,215	10/6/1998	Dobson et al.			
		4,051,470	9/27/1977	Esteban et al.			
FOREIGN PATENT DOCUMENTS							
		Number	Date	Country	Class	Sub	
OTHER DOCUMENTS							
			Baron et al., "Coding the Audio Signal," <u>Digital Image and Audio Communications</u> , 1996, pp. 101-128.				
			Cheung et al., "A Comparison of Scalar Quantization Strategies for Noisy Data Channel Data Transmission," IEEE Transactions on Communications, vol. 43, no. 2/3/4, pp. 738-42 (April 1995).				
			Crisafulli et al., "Adaptive Quantization: Solution via Nonadaptive Linear Control," IEEE Transactions on Communications, vol. 41, pp. 741-48 (May 1993).				
EXAMINER:				DATE			
*Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy.							



INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Docket: 3382-55827	App:	J0841 U.S. PTO 09/771371  01/26/01	
			Applicant: Kadatch			
			Filed:	Art Unit:		
OTHER DOCUMENTS						
			Dalgic et al., "Characterization of Quality and Traffic for Various Video Encoding Schemes and Various Encoder Control Schemes," Technical Report No. CSL-TR-96-701 (August 1996).			
			Gibson et al., <u>Digital Compression for Multimedia</u> , Chapter 4, "Quantization," pp. 113-138 (1998).			
			Gibson et al., <u>Digital Compression for Multimedia</u> , Chapter 8, "Frequency Domain Speech and Audio Coding Standards," pp. 263-290 (1998).			
			Gibson et al., <u>Digital Compression for Multimedia</u> , Chapter 11.4, "MPEG Audio," pp. 398-402 (1998).			
			ISO/IEC 13818-7, "Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information, Part 7: Advanced Audio Coding (AAC)," pp. i-iv, 1-145, ISO/IEC (1997).			
			ISO/IEC 13818-7, Technical Corrigendum 1, "Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information, Part 7: Advanced Audio Coding (AAC), Technical Corrigendum" pp. 1-22, ISO/IEC (1997).			
			Wu et al., "Entropy-Constrained Scalar Quantization and Minimum Entropy with Error Bound by Discrete Wavelet Transforms in Image Compression," IEEE Transactions on Signal Processing, vol. 48, no. 4, pp. 1133-43 (April 2000).			
			Naveen et al., "Subband Finite State Scalar Quantization," IEEE Transactions on Image Processing, vol. 5, no. 1, pp. 150-155 (January 1996).			
			Ortega et al., "Adaptive Scalar Quantization Without Side Information," IEEE Transactions on Image Processing, vol. 6, no. 5, pp. 665-676 (May 1997).			
EXAMINER:			DATE:			
*Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy.						

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Docket: 3382-55827	App:
			Applicant: Kadatch	
			Filed:	Art Unit:
OTHER DOCUMENTS				
			Ratnakar et al., "RD-OPT: An Efficient Algorithm for Optimizing DCT Quantization Tables," 11 pp.	
			Sidiropoulos, "Optimal Adaptive Scalar Quantization and Image Compression," ICIP '98, pp. 574-78 (1998).	
			Sullivan, "Optimal Entropy Constrained Scalar Quantization for Exponential and Laplacian Random Variables," ICASSP '94, pp. V-265 - V-268 (1994).	
			Trushkin, "On the Design on an Optimal Quantizer," IEEE Transactions on Information Theory, vol. 39, no. 4, pp. 1180-94 (July 1993).	
			Wong, "Progressively Adaptive Scalar Quantization," ICIP '96, pp. 357-60 (1996).	
			Wu et al., "Quantizer Monotonicities and Globally Optimally Scalar Quantizer Design," IEEE Transactions on Information Theory, vol. 39, no. 3, pp. 1049-53 (May 1993).	
EXAMINER:			DATE:	
*Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy.				

